

### ABSTRACT

A digital camera that operates inside and in conjunction with a non-digital camera, enabling the user to continue to use the non-digital camera, controls and associated lens, flashes, etc. The digital camera includes an imager which senses the image to be recorded and a light detector which detects the existence of light due to the opening of the shutter aperture of the non-digital camera. The light detector controls the imager such that an image is recorded and output from the imager when the light detector detects the opening of the shutter aperture which occurs when the photographer depresses the shutter button to take a picture. Preferably the digital camera includes a memory for storage of the images recorded. These images can then be subsequently output to an external device for further processing or display.